

Title (en)

REFLECTIVE LAYERED SYSTEM COMPRISING A PLURALITY OF LAYERS THAT ARE TO BE APPLIED TO A III-V COMPOUND SEMICONDUCTOR MATERIAL

Title (de)

REFLEKTIERENDES SCHICHTSYSTEM MIT EINER MEHRZAHL VON SCHICHTEN ZUR AUFBRINGUNG AUF EIN III/V- VERBINDUNGSHALBLEITERMATERIAL

Title (fr)

SYSTEME DE COUCHES REFLECHISSANTES COMPORTANT UNE PLURALITE DE COUCHES, DESTINE A ETRE APPLIQUE SUR UN MATERIAU SEMI-CONDUCTEUR COMPOSE III/V

Publication

**EP 1769540 B1 20090923 (DE)**

Application

**EP 05761634 A 20050629**

Priority

- DE 2005001148 W 20050629
- DE 102004031684 A 20040630
- DE 102004040277 A 20040819

Abstract (en)

[origin: WO2006002614A1] The invention relates to a method for producing a reflective layer system and to a reflective layer system that is to be applied to a III-V compound semiconductor material (4). According to said method, a first layer (1), which contains phosphosilicate glass is applied directly to the semiconductor substrate (4). A second layer (2) containing silicon nitride then covers the first layer and finally a metallic layer (3) is applied.

IPC 8 full level

**H01L 33/46** (2010.01)

CPC (source: EP US)

**H01L 33/46** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

Cited by

GB2451334B; US8212273B2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

**DE 102004040277 A1 20060209; DE 102004040277 B4 20150730**; DE 502005008192 D1 20091105; EP 1769540 A1 20070404; EP 1769540 B1 20090923; JP 2008504699 A 20080214; US 2008290356 A1 20081127; WO 2006002614 A1 20060112

DOCDB simple family (application)

**DE 102004040277 A 20040819**; DE 2005001148 W 20050629; DE 502005008192 T 20050629; EP 05761634 A 20050629; JP 2007518444 A 20050629; US 62958205 A 20050629